

App. No. 09/785,942
Amendment dated December 7, 2005
Reply to Non-final Office Action of November 16, 2005

Listing of claims:

1. (Currently amended) A computer-readable medium on a mobile computing device having computer-executable components for managing a message within a mobile device, comprising:

a main application in communication with ~~a at least one~~ messaging component and a table, wherein:

the messaging component is configured to receive a message that is specifically formatted for communication with the messaging component,

the message is associated with a class identifier that distinguishes the message from other messages formatted for communication with a different messaging component,

~~the at least one~~ messaging component is configured to pass a notice to handle the message property to the main application using a standard interface,

the notice is in a standardized message format and ~~message property~~ includes the a class identifier associated with the message,

the main application is configured to query the table to identify a message form registered to handle messages associated with the class identifier such that the identified message form is configured to handle messages formatted for communication with the messaging component,

the main application is configured to instantiate the identified message form and pass the message to the instantiated message form,

the instantiated message form communicates instructions to the main application using the standard interface, and

an operation is performed on the message based on the instructions when the standard interface is called.

2. (Currently amended) The computer-readable medium of claim 1, wherein the ~~at least one~~ messaging component comprises a message transport.

App. No. 09/785,942
Amendment dated December 7, 2005
Reply to Non-final Office Action of November 16, 2005

3. (Currently amended) The computer-implemented medium of claim 1, wherein the ~~at least one~~ messaging component comprises a storage component.

4. (Currently amended) The computer-implemented medium of claim 1, further comprising another messaging component that communicates with the ~~at least one~~ messaging component and the main application using the standard interface.

5. (Cancelled)

6. (Currently amended) The computer-readable medium of claim 1 [[5]], wherein the class identifier is one identifier in a plurality of hierarchically structured class identifiers.

7. (Original) The computer-readable medium of claim 1, wherein the table includes a listing of class identifiers that each describe a class of message, each class identifier being associated with a corresponding message form.

8. (Original) The computer-readable medium of claim 7, wherein the table further includes a default message form that is returned when the class identifier is not in the listing of class identifiers.

9. (Original) The computer-readable medium of claim 7, wherein the table comprises a system registration database.

10. (Currently amended) A computer-readable medium on a mobile computing device having computer-executable instructions for performing steps, comprising:

receiving a message over a transport interface, wherein the message is specifically formatted for communication with the transport interface, and further wherein the message is associated with a class identifier that identifies the transport interface for which the message is formatted;

App. No. 09/785,942
Amendment dated December 7, 2005
Reply to Non-final Office Action of November 16, 2005

receiving over a standard interface a notice to handle the a message, wherein the standard interface is configured to receive the notice in a standardized message format the message is associated with a class identifier that identifies a message property;

retrieving the class identifier from the message, wherein the class identifier distinguishes the message from other messages formatted for communication with having a different transport interface message property;

accessing a registry to identify a message form registered to handle messages having the class identifier, wherein the identified message form is configured to handle messages formatted for communication with the transport interface;

instantiating the identified message form;

passing the message to the instantiated message form;

communicating instructions from the instantiated message form to an application through an application interface; and

performing an operation on the message based on the instructions when the application interface is called.

11. (Original) The computer-readable medium of claim 10, wherein the notice to handle the message comprises an instruction to display the message on the mobile computing device.

12. (Original) The computer-readable medium of claim 10, wherein the class identifier is stored within a property of the message.

13. (Original) The computer-readable medium of claim 10, wherein the registry includes a listing of class identifiers that each describe a class of message, each class identifier being associated with a corresponding message form.

14. (Original) The computer-readable medium of claim 13, wherein the registry further includes a default message form that is returned when the class identifier is not in the listing of class identifiers.

App. No. 09/785,942
Amendment dated December 7, 2005
Reply to Non-final Office Action of November 16, 2005

15. (Currently amended) A system for managing communication messages on a mobile device, comprising:

a message form object having a first standardized interface for communicating information with other components in the system, wherein:

the message form object handles communication messages associated with a class identifier, and

the class identifier identifies a message transport for which property-associated with the communication message is formatted;

an application having a second standardized interface for communicating information with other components in the system, wherein:

the application is configured to identify and instantiate the message form object that is registered to handle a communication message received by the system based on the associated class identifier, and

the class identifier distinguishes the communication message from other communication messages formatted for communication with having a different message transport property; and

a message transport having a third standardized interface for communicating information with other components in the system, wherein:

the message transport receives the communication message that is specifically formatted for communication with the message transport.

the message transport is configured to pass the communication message associated with the class identifier to the message form object,

the message form object is configured to handle communication messages formatted for communication with the message transport.

the message form object communicates instructions to the application, and an operation is performed on the communication message based on the instructions.

16. (Previously presented) The system of claim 15, wherein the first standardized interface includes means for instructing the message form object to perform actions.

App. No. 09/785,942
Amendment dated December 7, 2005
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17. (Original) The system of claim 16, wherein the first standardized interface comprises an IMessageForm interface.

18. (Original) The system of claim 16, wherein the first standardized interface comprises an IFormProvider interface.

19. (Original) The system of claim 15, wherein the second standardized interface includes means for instructing the application to perform actions.

20. (Original) The system of claim 19, wherein the second standardized interface comprises an IMessageFormHost interface.

21. (Original) The system of claim 19, wherein the second standardized interface comprises an IMailSyncCallBack interface.

22. (Original) The system of claim 15, wherein the third standardized interface includes means for instructing the message transport to perform actions.

23. (Original) The system of claim 22, wherein the third standardized interface comprises a IMailSyncHandler interface.